

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8702 - L2 Version 2
Chandra X-Ray Center

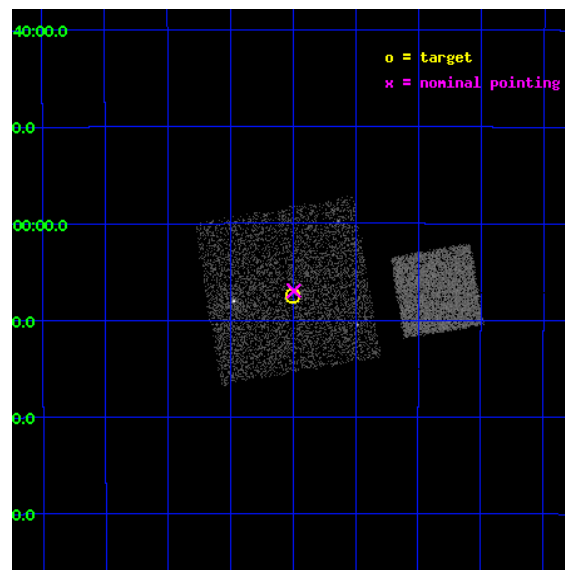
L2 Processing Date : May 15 2012

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1 Front

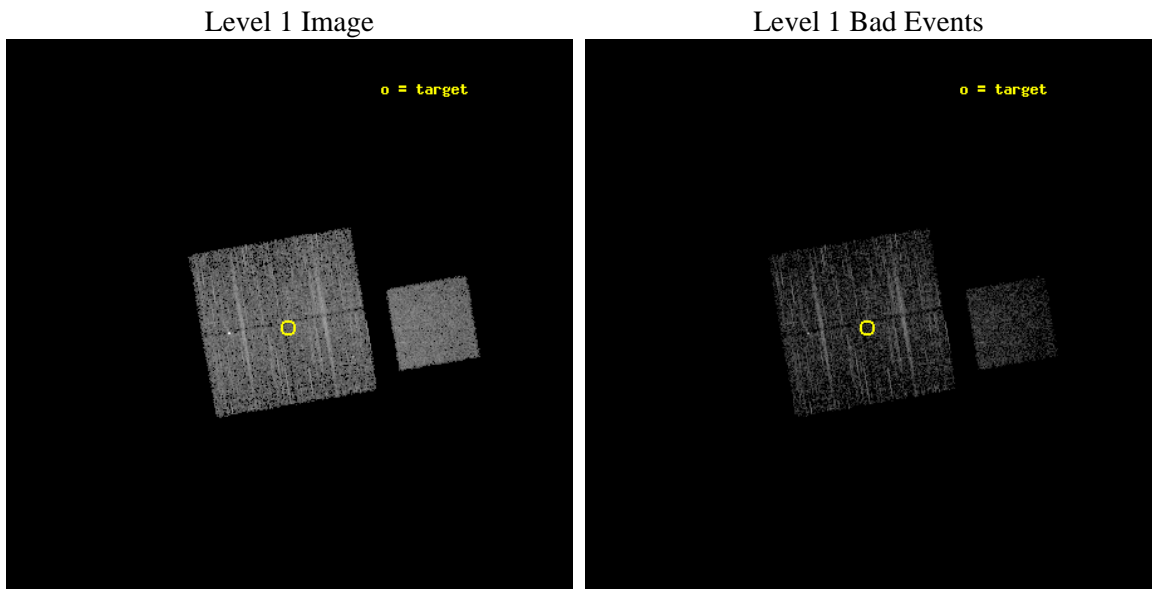
seq_num	400753	Sequence number
obs_id	8702	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.249647	Observer's specified target RA [deg]
dec_targ	-29.124154	Observer's specified target Dec [deg]
ra_nom	264.24835457199	Nominal RA [deg]
dec_nom	-29.116103045747	Nominal Dec [deg]
roll_nom	80.208088133645	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	17382	Number of level 2 events



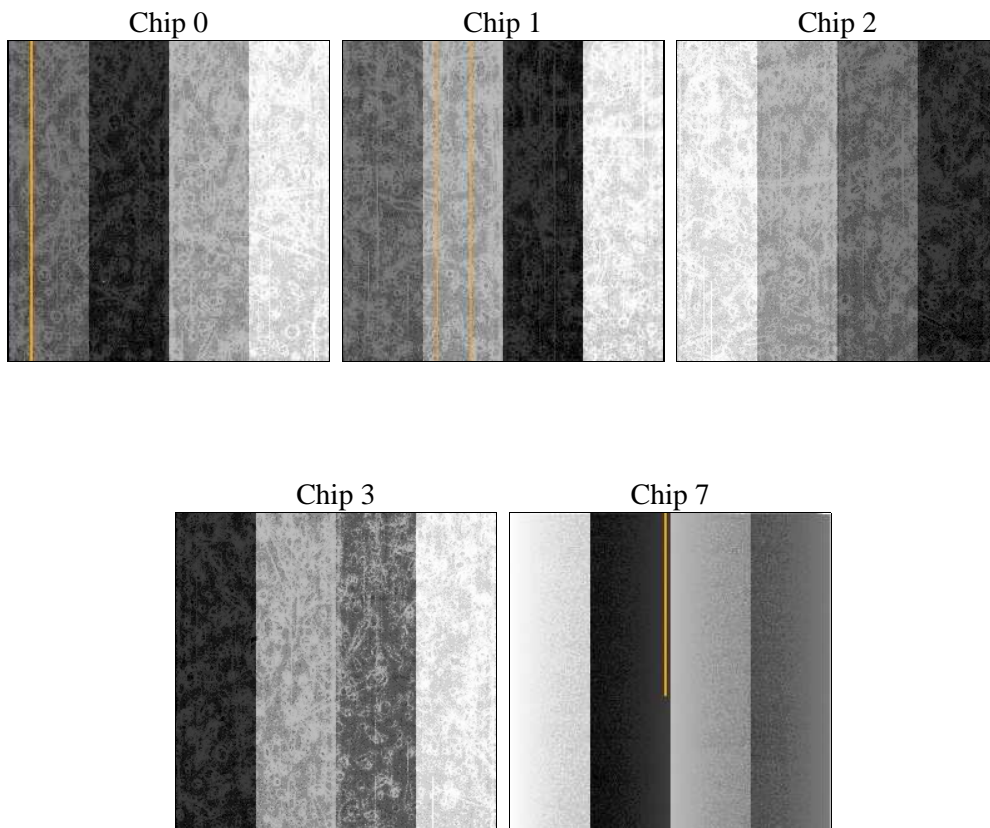
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-15T03:09:19	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	105382	Number of level 1 events

2.1.4 Events

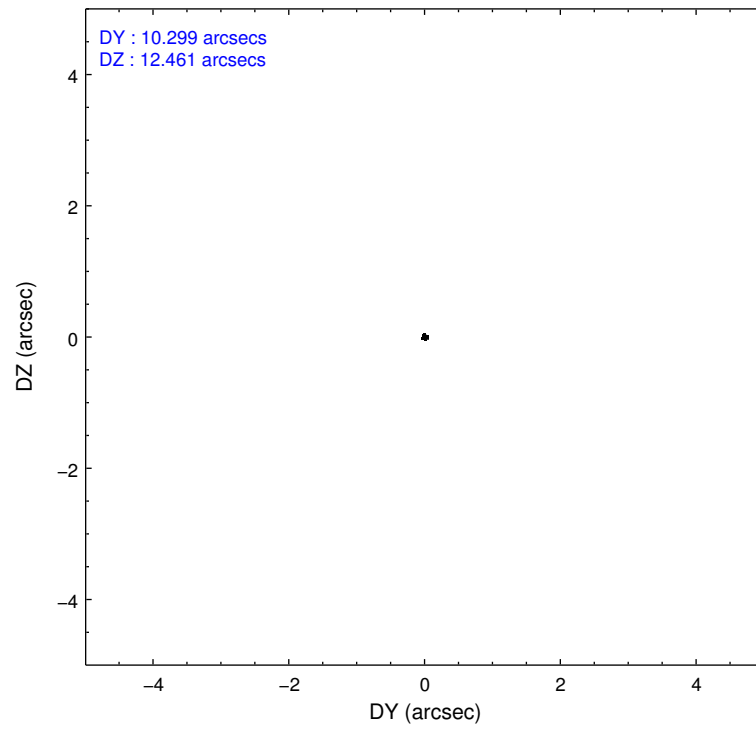
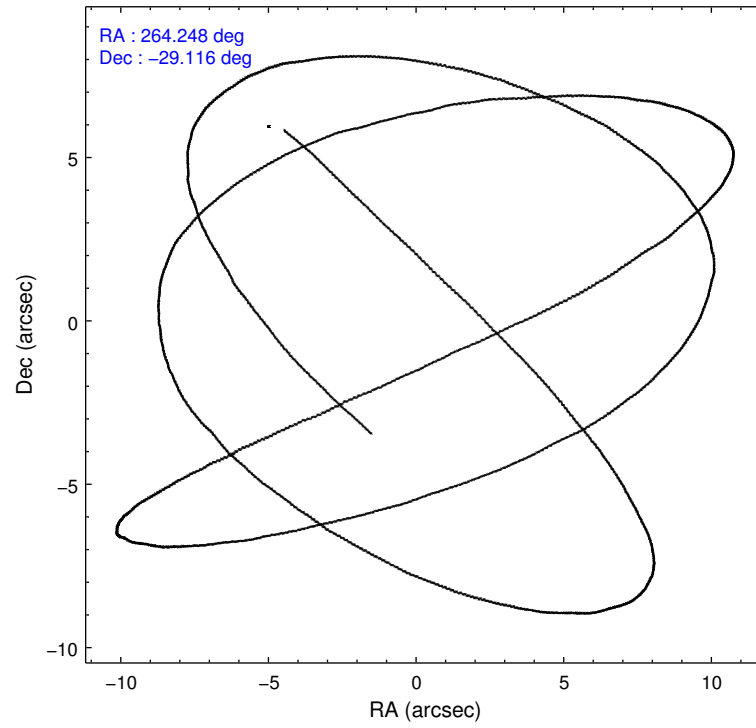
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19455	21611	21210	20108	22998
rejected events	17412	17761	19145	18043	13838
rejected %	89%	82%	90%	89%	60%

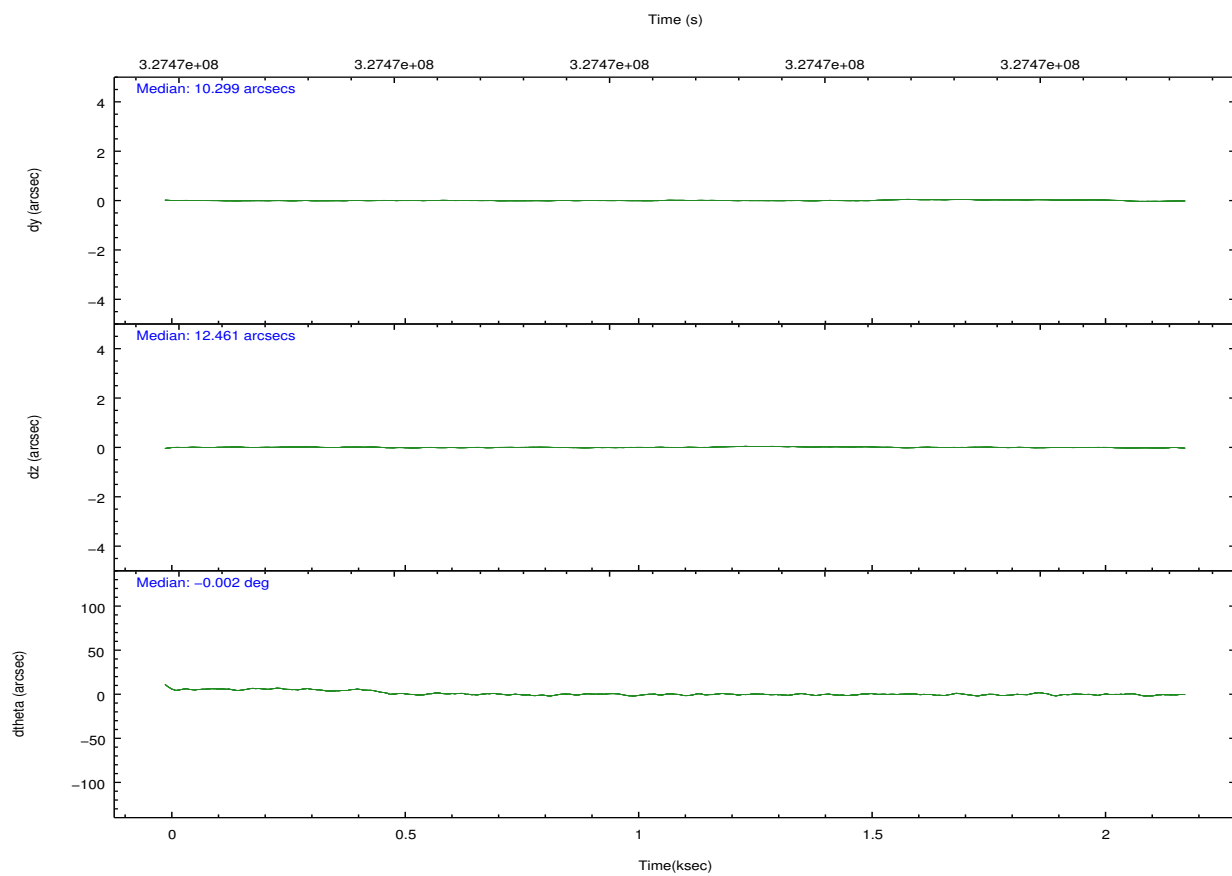
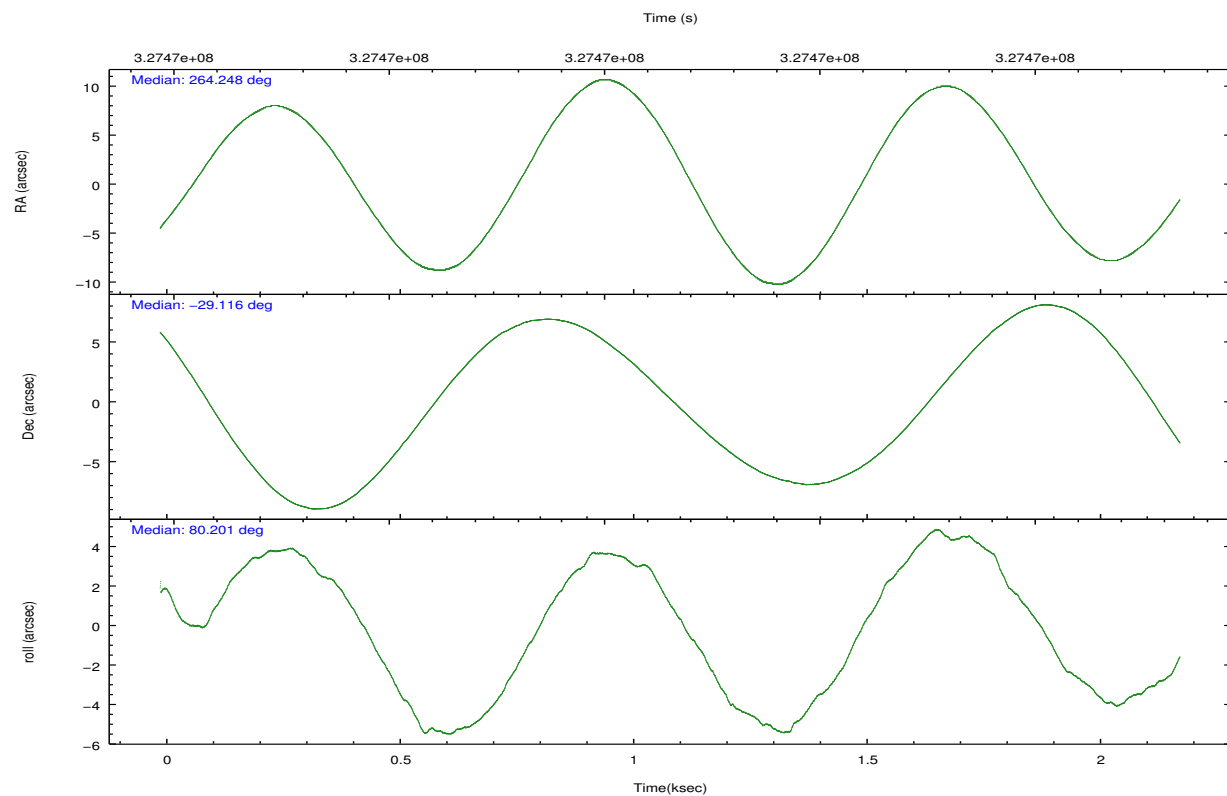
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1100	2292	1033	1070	982
	5%	10%	4%	5%	4%
grade 1 events	15	95	8	11	41
	0%	0%	0%	0%	0%
grade 2 events	516	850	497	442	2192
	2%	3%	2%	2%	9%
grade 3 events	234	333	241	222	963
	1%	1%	1%	1%	4%
grade 4 events	217	358	223	213	913
	1%	1%	1%	1%	3%
grade 5 events	705	805	616	819	2429
	3%	3%	2%	4%	10%
grade 6 events	390	587	364	391	5497
	2%	2%	1%	1%	23%
grade 7 events	16278	16291	18228	16940	9981
	83%	75%	85%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	264.259429	264.2483545719854	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.141906	-29.11610304574705	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004766	80.20808813364452	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	327472234.184000	327471857.70813	CCD S5 on	N	N
Observation start date	2008-05-18T04:29:29	2008-05-18T04:24:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327474234.184000	327474367.93325	On-chip summing requested	N	N
Observation end date	2008-05-18T05:02:49	2008-05-18T05:06:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



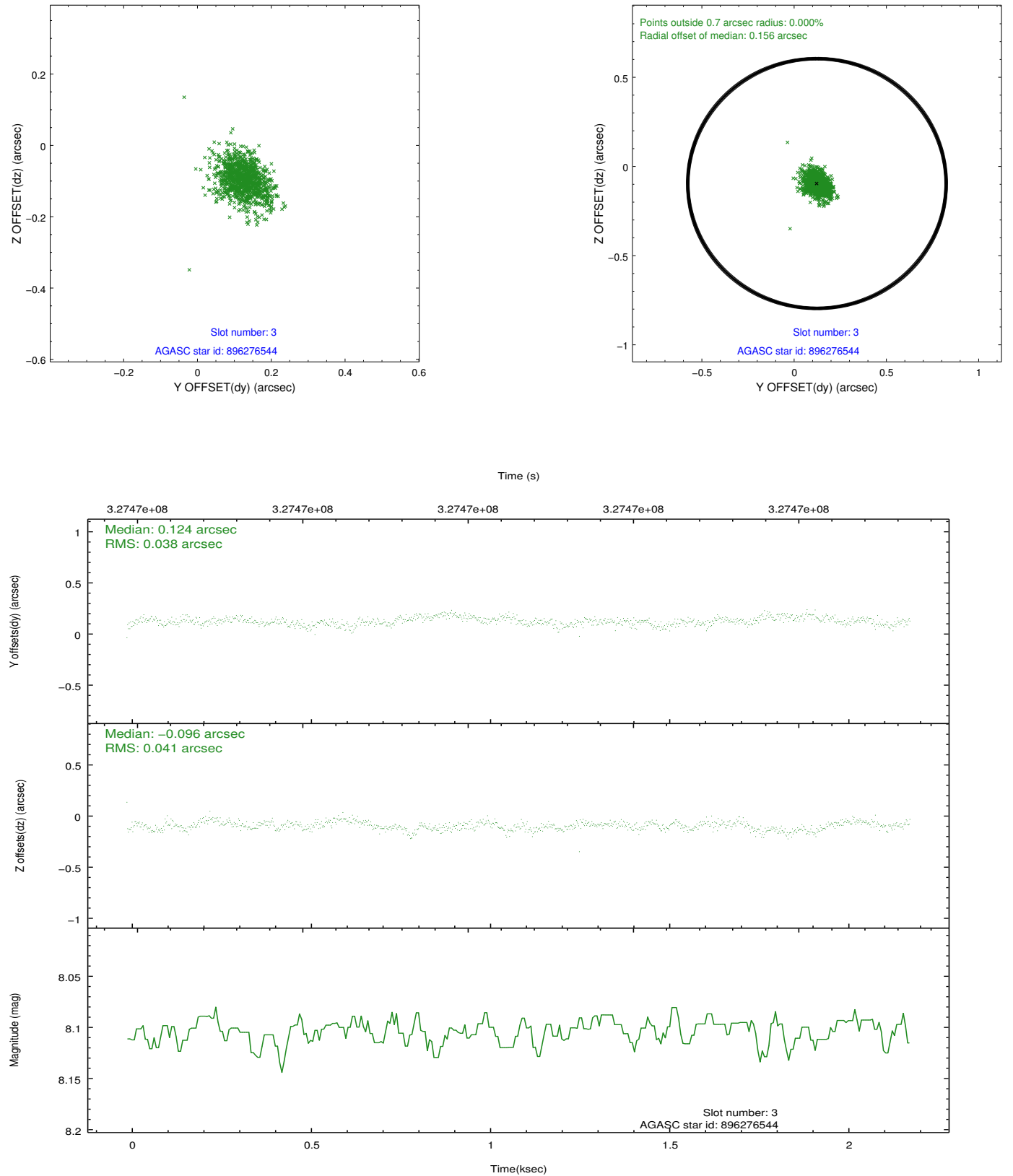


Slot Statistics

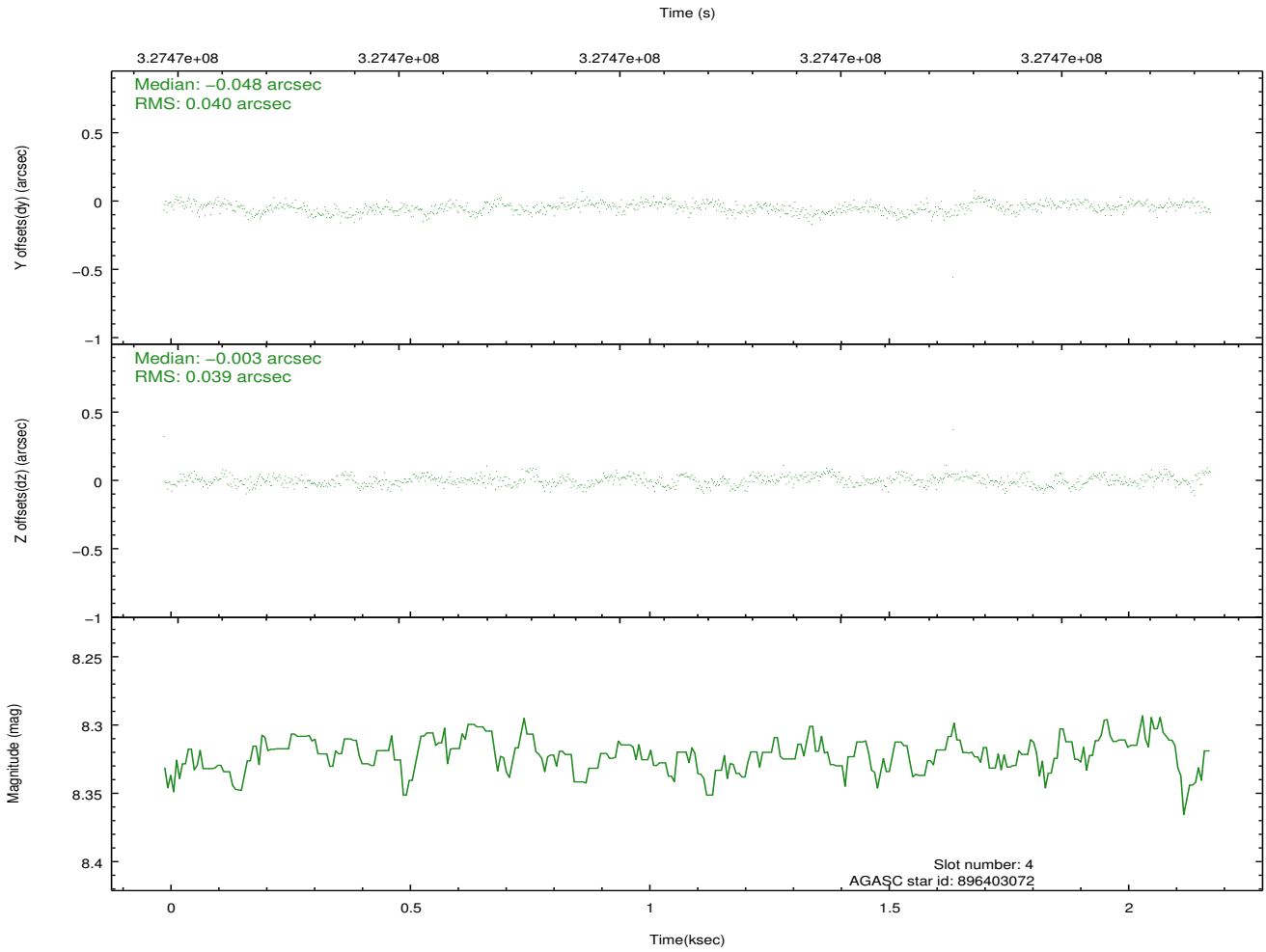
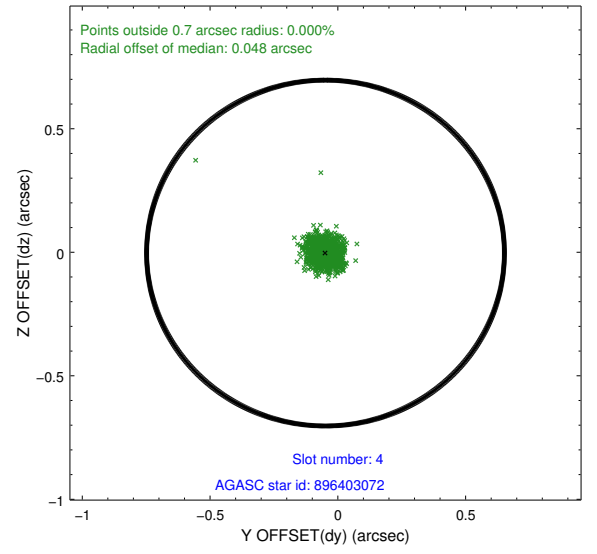
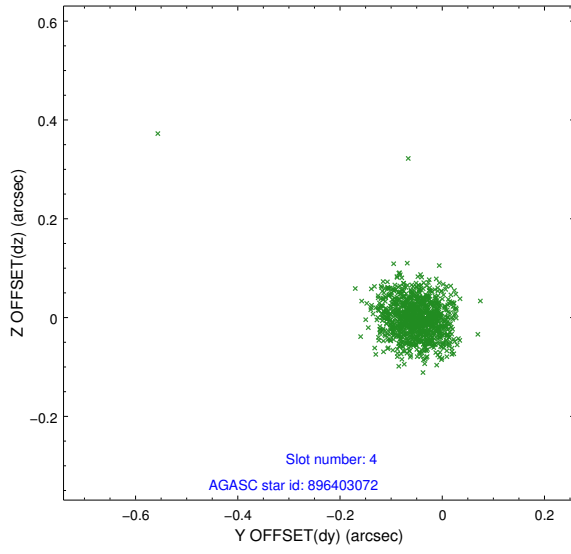
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.94	533	-0.174	-0.082	0.011	0.033	0.000000	0.000000	-765.05	-842.44
1	FID	ACIS-I-4	6.97	533	0.062	0.122	0.011	0.046	0.000000	0.000000	2147.87	1062.42
2	FID	ACIS-I-6	7.03	533	0.013	0.028	0.014	0.057	0.000000	0.000000	399.03	1707.92
3	GUIDE	896276544	8.10	1067	0.124	-0.096	0.057	0.100	263.666616	-29.255819	-731.71	1761.17
4	GUIDE	896403072	8.32	1067	-0.048	-0.003	0.056	0.089	263.956439	-28.943077	537.23	1065.49
5	GUIDE	896404376	6.67	1067	-0.085	0.204	0.058	0.090	264.835179	-29.530972	-1070.02	-2019.19
6	GUIDE	896405976	9.11	1063	-0.082	0.249	0.083	0.140	264.638127	-28.604395	2110.62	-844.92
7	GUIDE	896278088	7.62	1066	0.098	-0.354	0.057	0.092	263.476198	-29.223388	-722.27	2369.53

2.4 Star Slots

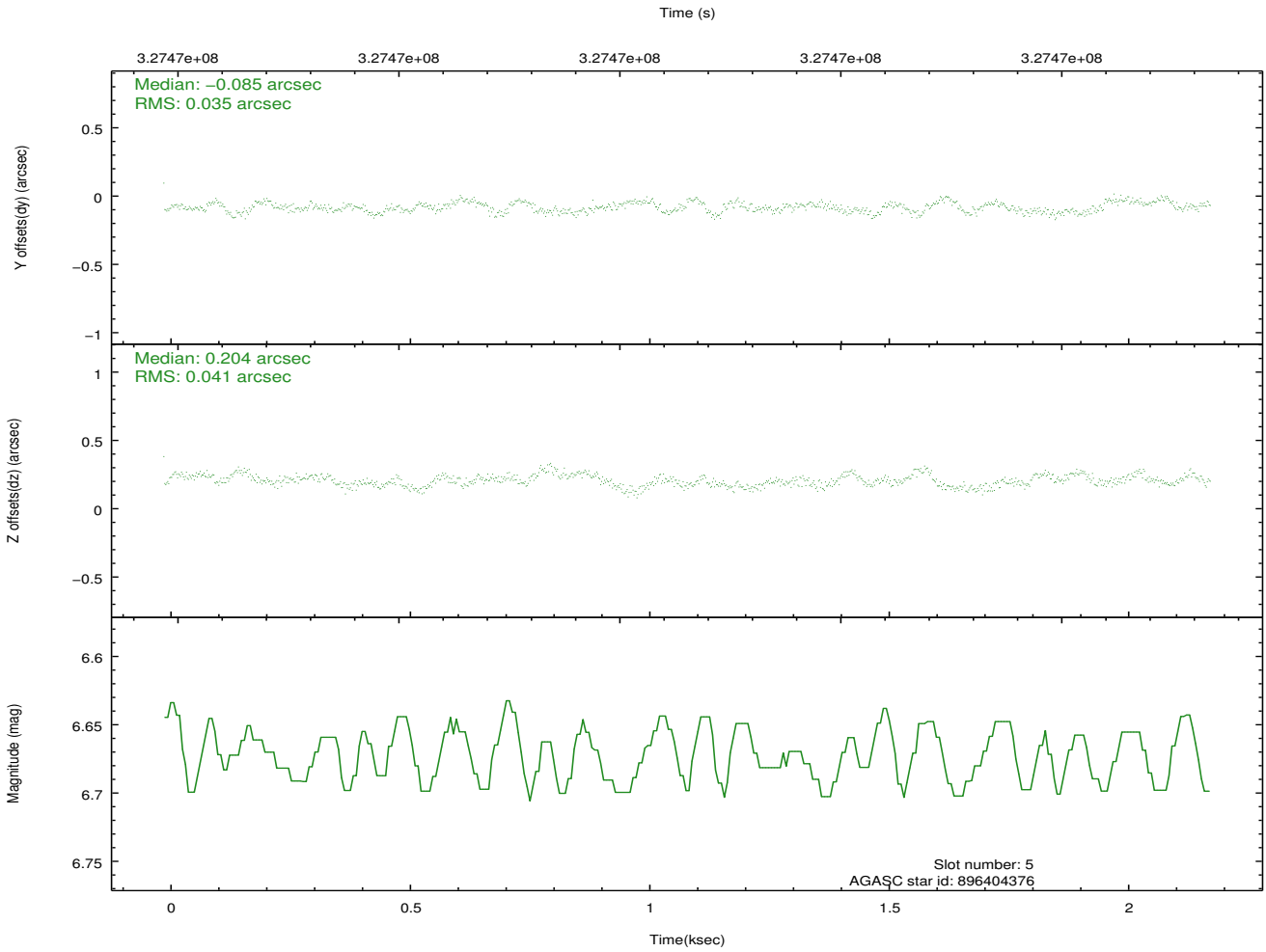
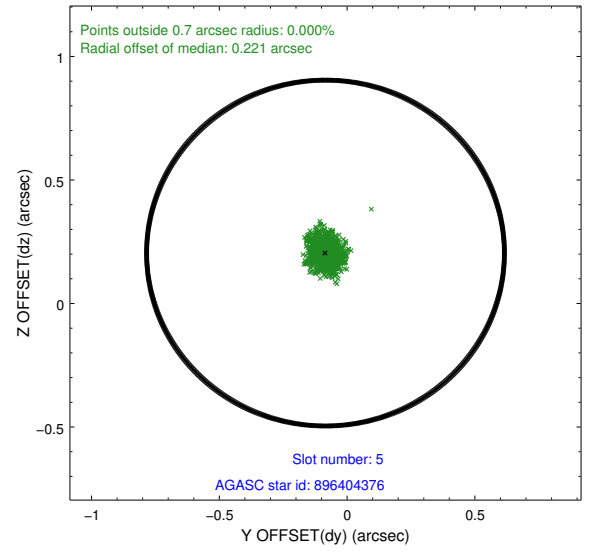
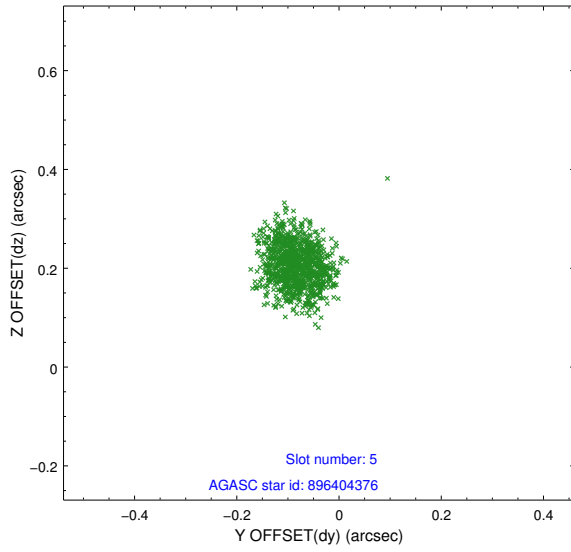
2.4.1 Slot 3



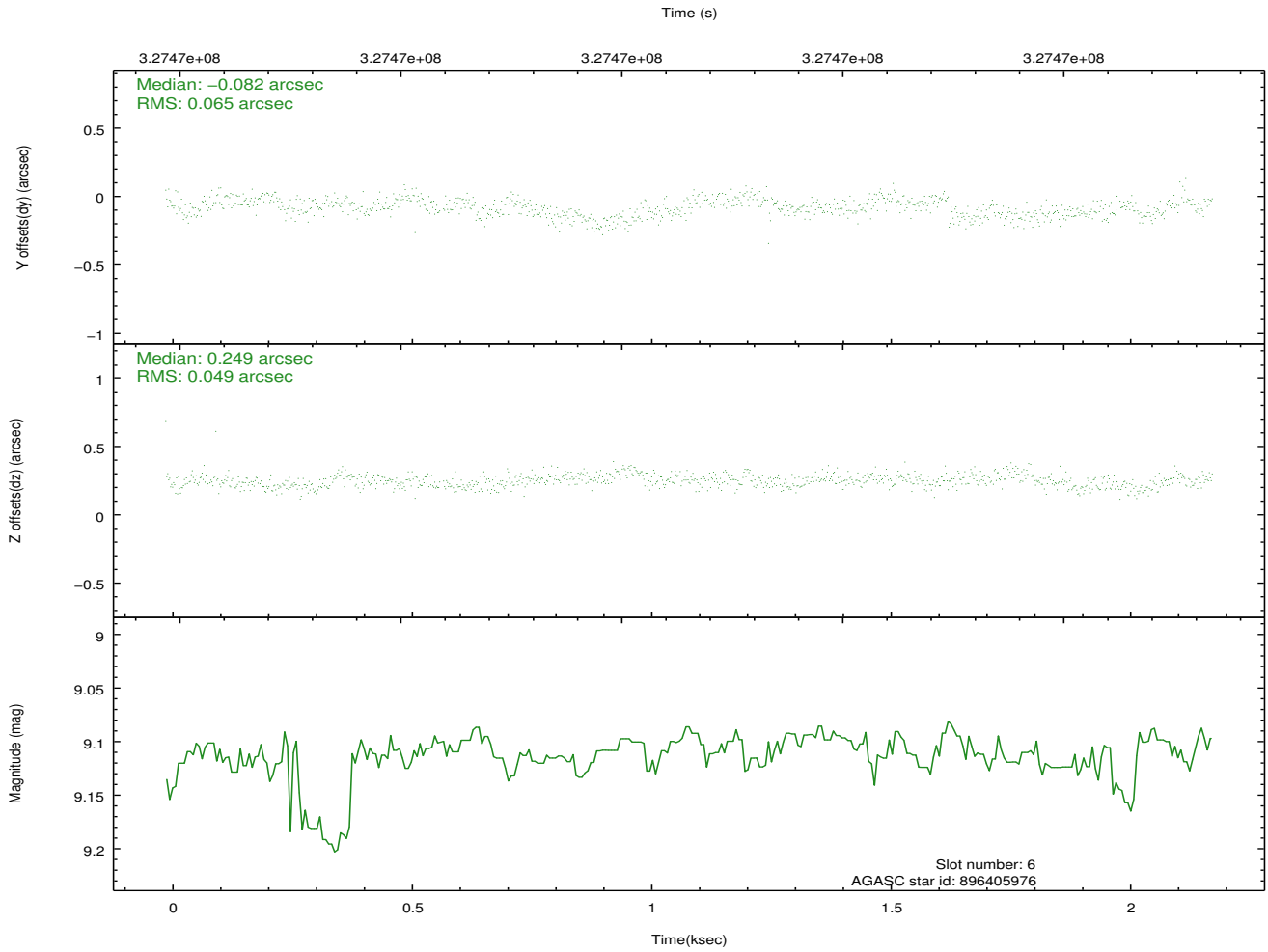
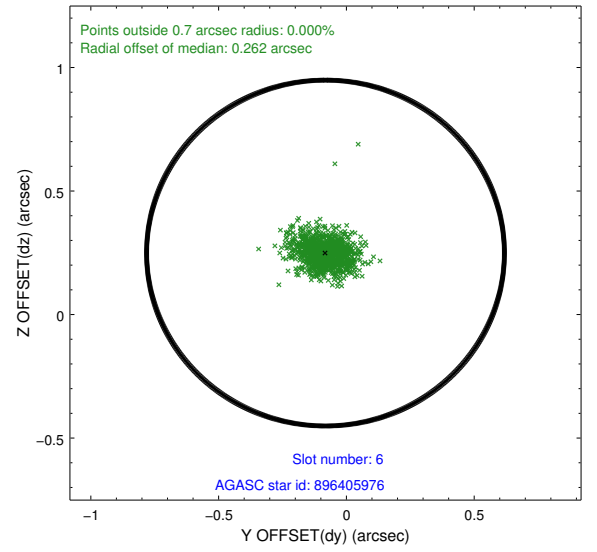
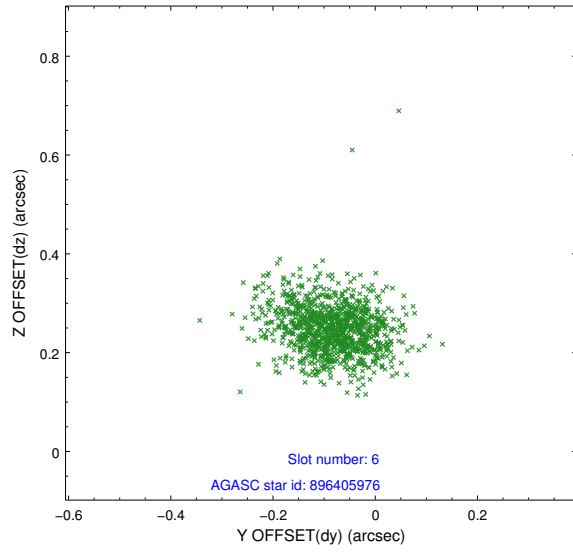
2.4.2 Slot 4



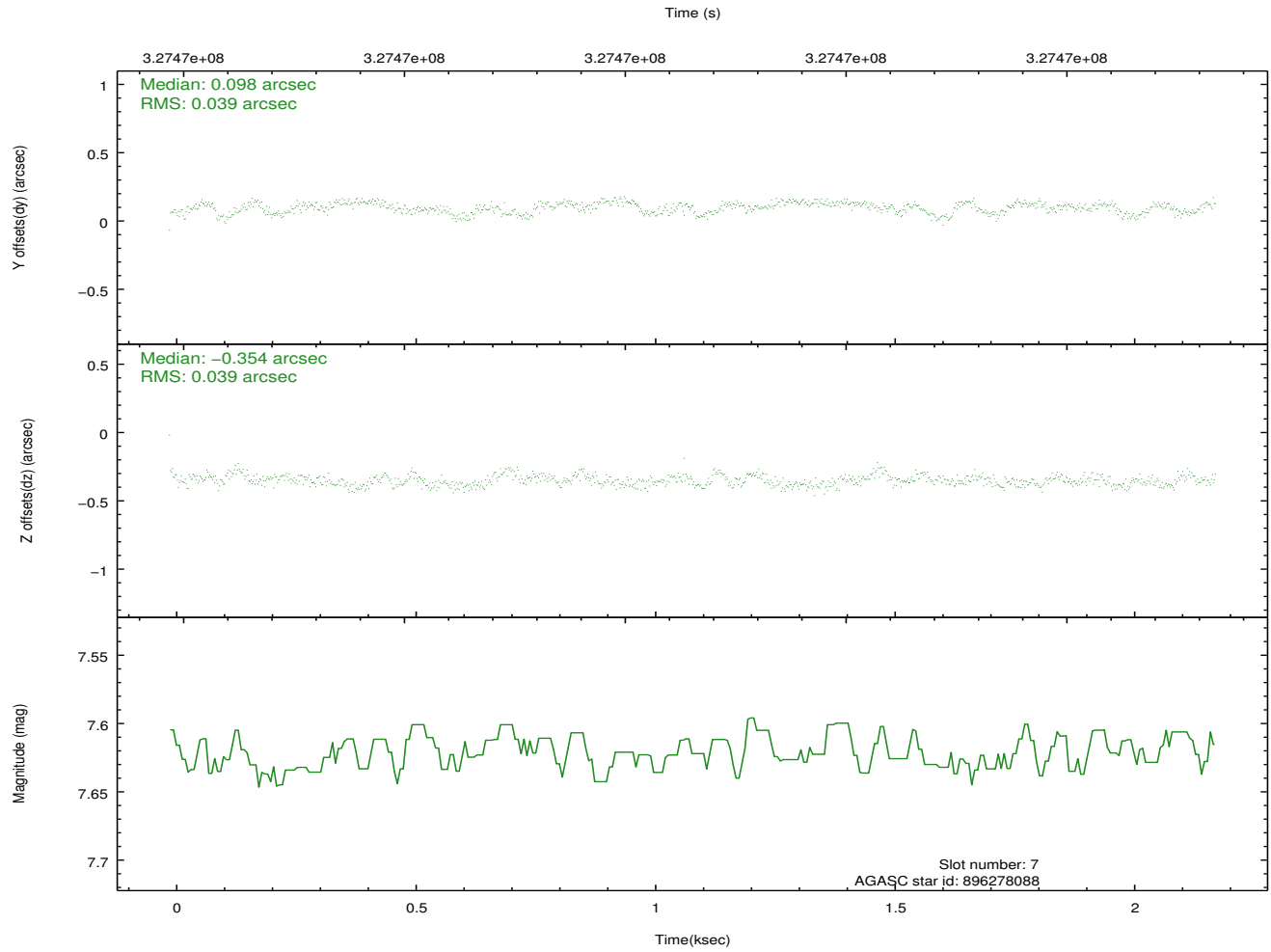
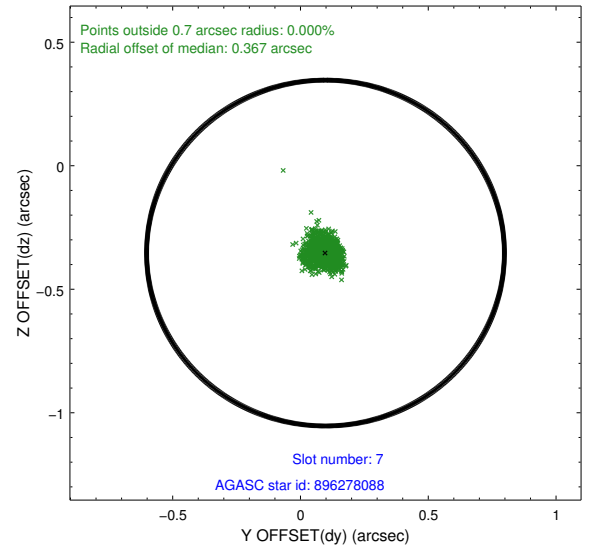
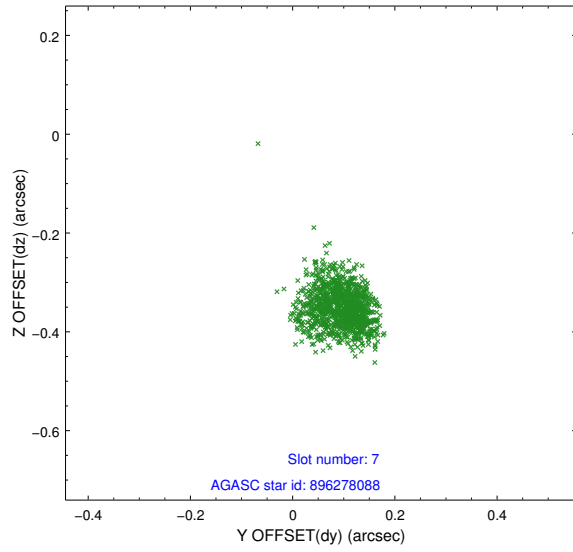
2.4.3 Slot 5



2.4.4 Slot 6

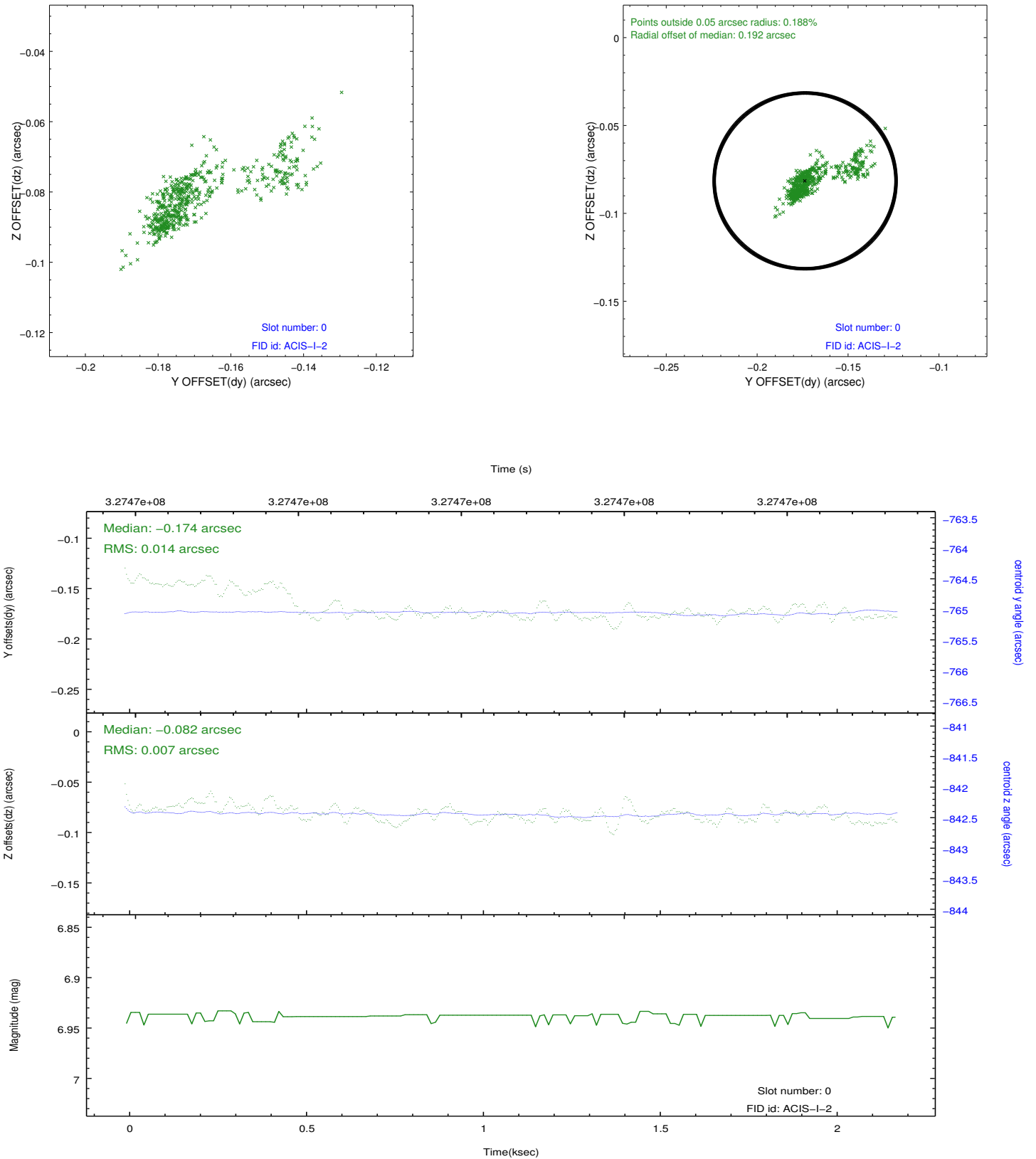


2.4.5 Slot 7

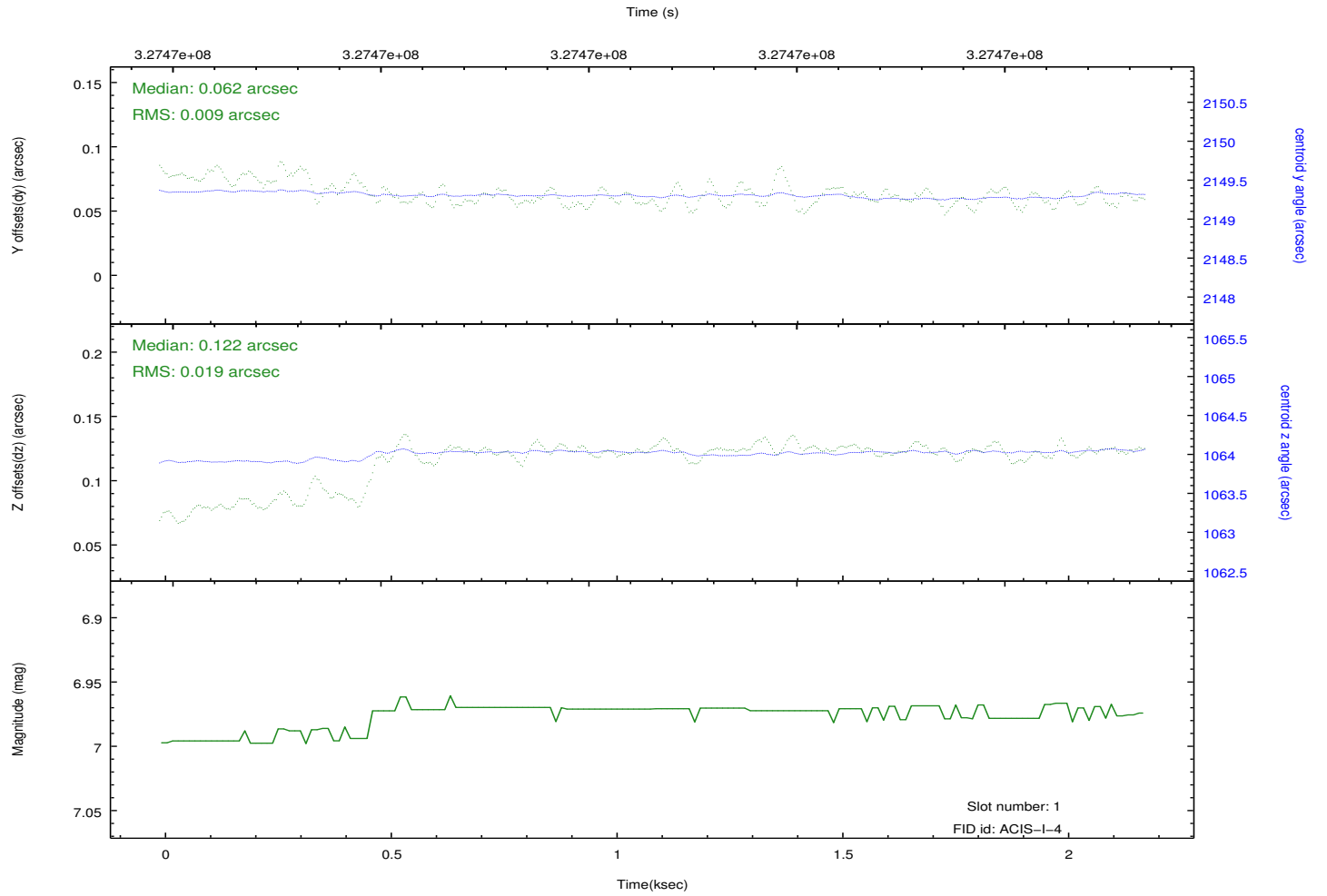
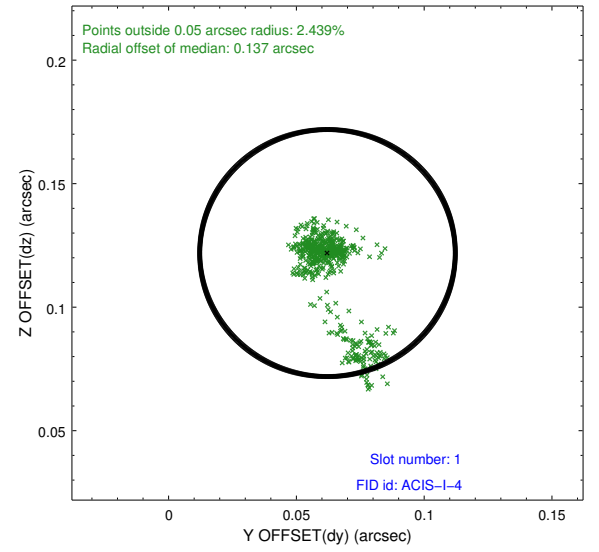
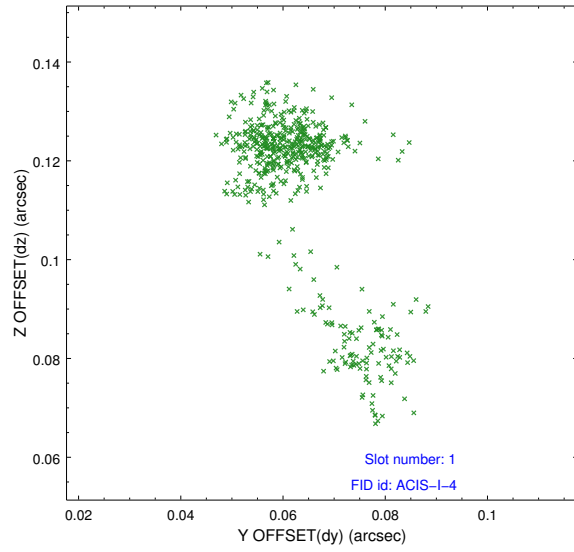


2.5 FID Slots

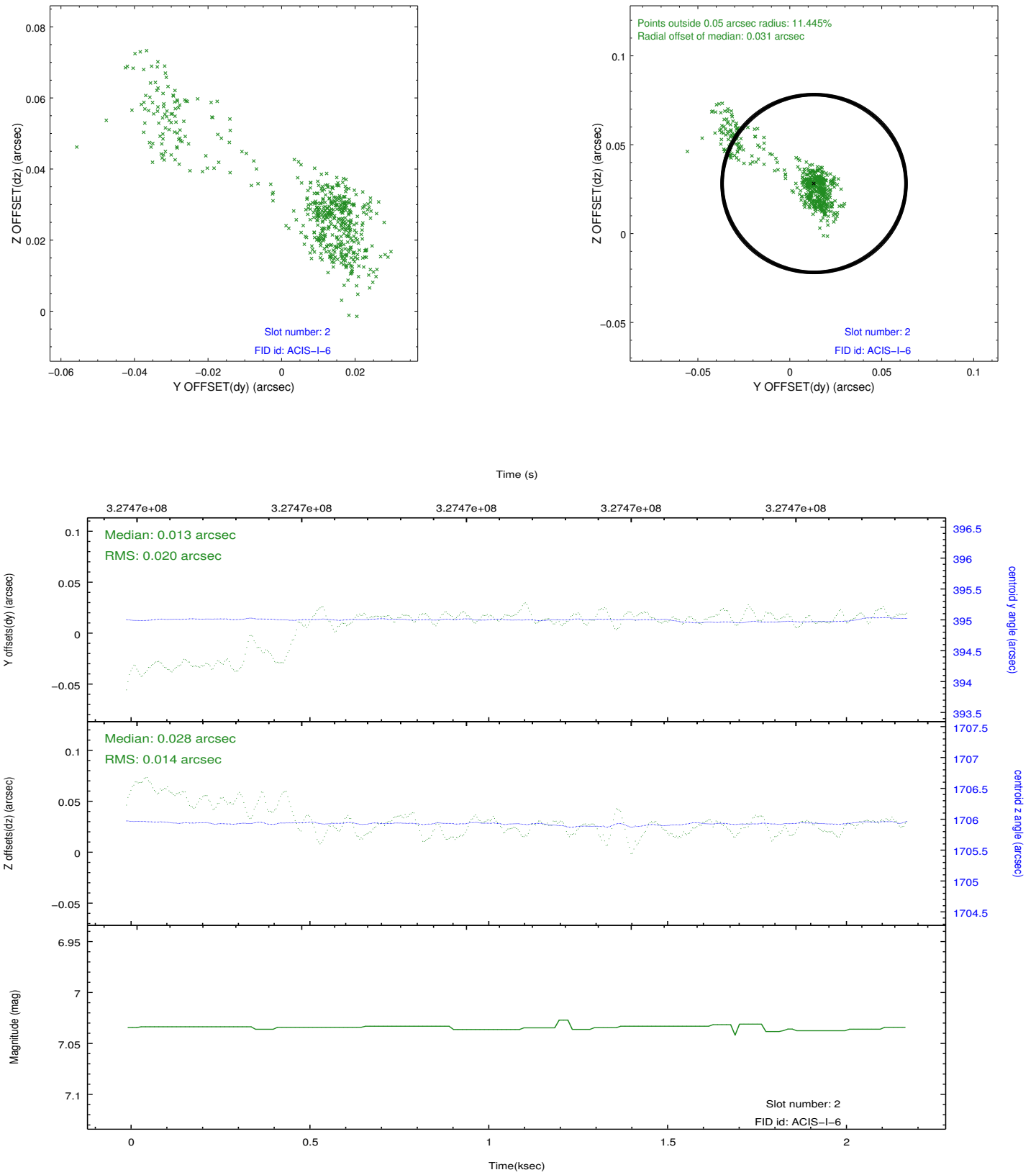
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments